## **EXHIBIT A**

#### **EXHIBIT A**

### Intertrust v. MS: JCCS Claim Chart

U.S. Patent No. 6,253,193, Asserted Claim 1

	'193 Claim 1	U.S. Patent No. 6,253,193, Asserted IT Construction	MS Construction
1.	1. A method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
2.	receiving a digital file including music,	O management and a second	cacure: (1) A state in which all users
3.	storing said digital file in a first secure memory of a first device;	secure: One or more mechanisms are employed to prevent, detect or discourage misuse of or interference with information or processes. Such mechanisms may include concealment, Tamper Resistance, Authentication and access control. Concealment means that it is difficult to read information (for example, programs may be encrypted). Tamper Resistance and Authentication are separately defined (see item #67 and item #27, respectively, below). Access control means that access to information or processes is limited on the basis of authorization. Security is not absolute, but is designed to be sufficient for a particular purpose.	secure: (1) A state in which all users of a system are guaranteed that all information, processes, and devices within the system, shall have their availability, secrecy, integrity, authenticity and nonrepudiation maintained against all of the identified threats thereto.  (2) "Availability" means the property that information is accessible and usable upon demand by authorized persons, at least to the extent that no user may delete the information without authorization.  (3) "Secrecy," also referred to as confidentiality, means the property that information (including computer processes) is not made available or disclosed to unauthorized persons or processes.  (4) "Integrity" means the property that information has not been altered either intentionally or accidentally.  (5) "Authenticity" means the property that the characteristics asserted about a person, device, program, information, or process are genuine and timely, particularly as to identity, data integrity, and origin integrity.  (6) "Nonrepudiation" means the property that a sender of information cannot deny its origination and that a recipient of information cannot deny its receipt.

#### **IT Construction MS Construction** '193 Claim 1 secure: see item #3 above secure: see item #3 above storing information associated with said budget: (1) A unique type of budget: Information specifying a digital file in a "method" that specifies a limitation on usage. secure database decrementable numerical limitation stored on said first control: Information and/or on future Use (e.g., copying) of device. digital information and how such Use programming controlling operations said information will be paid for, if at all. on or use of resources (e.g., content) including at least including (a) permitted, required or (2) A "method" is a collection of one budget control prevented operations, (b) the nature basic instructions, and information and related to basic instructions, that or extent of such operations or (c) the consequences of such operations. provides context, data, requirements, and/or relationships for use in performing, and/or preparing to perform, basic instructions in relation to the operation of one or more electronic appliances. control: (1) Independent, specialpurpose, Executable, which can execute only within a Secure Processing Environment (see below). (2) Each VDE Control is a Component Assembly dedicated to a particular activity (e.g., editing, modifying another Control, a userdefined action, etc.), particular user(s), and particular protected information, and whose satisfactory execution is necessary to Allowing (see below) that activity. (3) Each separate information Access (see below) or Use is independently Controlled by independent VDE Control(s). (4) Each VDE Control is assembled within a Secure Processing Environment from independently deliverable modular components (e.g., Load Modules (see below) or other Controls), dynamically in response to an information Access or Use Request. (5) The dynamic assembly of a Control is directed by a "blueprint" Record (see below) (put in place by one or more VDE users) Containing control information identifying the

exact modular code components to be

	'193 Claim 1	IT Construction	MS Construction
	· ·		assembled and executed to govern
	*		(i.e., Control) this particular activity
			on this particular information by this
			particular user(s).
			(6) Each Control is independently
			assembled, loaded and delivered vis-
			à-vis other Controls.
			(7) Control information and Controls
1		*	are extensible and can be configured
			and modified by all users, and
	•		combined by all users with any other
			VDE control information or Controls
			(including that provided by other
			users), subject only to "senior" user
1			Controls.
			(8) Users can assign control
1			information (including alternative
1			control information) and Controls to
			an arbitrarily fine, user-defined
			portion of the protected information,
1			such as a single paragraph of a
			document, as opposed to being
1		1	limited to file-based controls.
			(9) VDE Controls reliably limit Use
			of the protected information to only
1			authorized activities and amounts.
ļ			·
1		·	For the purposes of the construction
			of "Control," a "Secure Processing
			Environment" is defined as: A
		}	Secure Processing Environment is
			uniquely identifiable, self-contained,
			non-circumventable, and trusted by
			all other VDE nodes to protect the
			availability, secrecy, integrity and
			authenticity of all information
		·	identified in the patent application as
		1	being protected, and to guarantee that
1			such information will be accessed and
-			Used only as expressly authorized by
			the associated VDE Controls, and to
			guarantee that all requested reporting
1			of and payments for protected
			information use will be made. A
	1	-	Secure Processing Environment is
			formed by, and requires, a Secure
			Processing Unit having a hardware
			Tamper Resistant Barrier
			encapsulating a processor and internal
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'193 Claim 1	IT Construction	MS Construction
		Secure memory. The Tamper Resistant Barrier prevents all unauthorized interference, removal, observation, and other Use of the information and processes within it.
		For the purposes of the construction of "Control," "Allowing" is defined as: Actively permitting an action that otherwise cannot be taken (i.e., is prohibited) by any user, process, or device. In VDE, an action is allowed only through execution (within a Secure Processing Environment) of the VDE Control(s) assigned to the particular action request, and satisfaction of all requirements imposed by such execution.
		For the purposes of the construction of "Control," "Access" is defined as: To satisfactorily perform the steps necessary to obtain something so that it can be Used in some manner (e.g., for information: copied, printed, decrypted, encrypted, saved, modified, observed, or moved, etc.). In VDE, access to protected information is achieved only through execution (within a Secure Processing Environment) of the VDE Control(s) assigned to the particular "access" request, satisfaction of all requirements imposed by such execution, and the Controlled opening of the Secure Container Containing the information.
		For the purposes of the construction of "Control," a "Load Module" is defined as: An Executable, modular unit of machine code (which may include data) suitable for loading into memory for execution by a processor. A load module is encrypted (when not within a secure processing unit) and has an Identifier that a calling process must provide to be able to use the load module. A load module is combinable with other load modules,

	(102 Claim 1	IT Construction	MS Construction
	<u>'193 Claim 1</u>	TI Construction	and associated data, to form Executable Component Assemblies. A load module can execute only in a VDE Protected Processing Environment. Library routines are not load modules and dynamic link libraries are not load modules.
			For the purposes of the construction of "Control," a "Record" is defined as: A data structure that is a collection of fields (elements), each with its own name and type. Unlike an array, whose elements are accessed using an index, the elements of a record are accessed by name. A record can be accessed as a collective unit of elements, or the elements can be accessed individually.
5.	at least one copy control,	copy: To reproduce. The reproduction must be usable, may incorporate all of the original item or only some of it, and may involve some changes to the item as long as the essential nature of the content remains unchanged.  control: see item #4 above	copy: (1) To reproduce all of a Digital File (see below) or other complete physical block of data from one location on a storage medium to another location on the same or different storage medium, leaving the original block of data unchanged, such that two distinct and independent objects exist.  (2) Although the layout of the data values in physical storage may differ from the original, the resulting "copy" is logically indistinguishable from the original.  (3) The resulting "copy" may or may not be encrypted, ephemeral, usable, or accessible.  For the purposes of the construction of "Copy," a "Digital File" is defined as: A named, static unit of storage allocated by a "file system" and Containing digital information. A digital file enables any application using the "file system" to randomly access its contents and to distinguish it by name from every other such
			unit. A copy of a digital file is a separate digital file. A "file system" is the portion of the operating system

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	<u>'193 Claim 1</u>	IT Construction	MS Construction
6.		budget: see item #4 above  control: see item #4 above  a budget specifying the number of copies which can be made of said digital file: Normal English, incorporating the separately defined terms: a Budget stating the number of copies that can be made of the digital file referred to earlier in the	that translates requests made by application programs for operations on "files" into low-level tasks that can control storage devices such as disk drives.  control: see item #4 above  budget: see item #4 above  control: see item #4 above  a budget specifying the number of copies which can be made of said digital file: A Budget explicitly stating the total number of copies (whether or not decrypted, long-lived, or accessible) that (since creation of the Budget) are authorized to be
		claim.	made of the Digital File by any and all users, devices, and processes. No process, user, or device is able to make another copy of the Digital File once this number of copies has been made.  For the purposes of the construction of this phrase, "Digital File" is defined as set forth in item #5, above.
7.	and said at least one copy control controlling the copies made of said digital file;	control: see item #4 above  controlling: Normal English: exercising authoritative or dominating influence over; directing.  controlling the copies made of said digital file: The nature of this operation is further defined in later claim elements. In context, the copy control determines the conditions under which a digital file may be Copied and the copied file stored on a second device.	control: see item #5 above  control: see item #4 above  controlling: (1) Reliably defining and enforcing the conditions and requirements under which an action that otherwise cannot be taken, will be Allowed, and the manner in which it may occur. Absent verified satisfaction of those conditions and requirements, the action cannot be taken by any user, process or device.  (2) In VDE, an action is Controlled through execution of the applicable VDE Control(s) within a VDE Secure Processing Environment.  (3) More specifically, in VDE, Controlling is effected by use of VDE Controls, VDE Secure Containers, and VDE foundation

<u>'193 Claim 1</u>	IT Construction	MS Constructi n
-		(including VDE Secure Processing Environment, "object registration," and other mechanisms for allegedly individually ensuring that specific Controls are enforced vis-à-vis specific objects (and their content at an arbitrary granular level) and specific "users").
		For the purposes of the construction of "Control (v.)" et al, "Allowed" and "Secure Processing Environment" are defined as set forth in item #4, above.
		controlling the copies made of said digital file: Controlling Uses of and Accesses to all copies of the Digital File, by all users, processes, and devices, by executing each of the recited "at least one" Copy Control(s) within VDE Secure Processing Environment(s). Each Control governs (Controls) only one action, which action may or may not differ among the different "at least one" Controls. All Uses and Accesses are prohibited and incapable of occurring except to the extent Allowed by the "at least one" Copy Control(s).  For the purposes of the construction of this phrase, "Secure Processing Environment," "Access" and "Allowed" are defined as set forth in

	'193 Claim 1	IT Construction	MS Construction
8.	determining whether said digital	copied (copy): see item #5 above	copied (copy): see item #5 above
	file may be copied	control: see item #4 above	control: see item #4 above
	and stored on a		
	second device	!	·
1	based on at least		
<u> </u>	said copy control;	copied (copy): see item #5 above	copied (copy): see item #5 above
9.	if said copy control allows at least a	copieu (copy). see item #3 above	copied (copy). See item "3 doo'e
		control: see item #4 above	control: see item #4 above
	portion of said	Collitor. See Item #4 above	Control. See Item #4 above
	digital file to be		
	copied and stored on a second device,		
10		copying (copy): see item #5 above	copying (copy): see item #5 above
10.	copying at least a portion of said	Copyring (copy). See Rein "3 above	Copyring (copyr).
	digital file;		
11.			
11.	a portion of said		
İ	digital file to a		
	second device		
	including a memory		·
	and an audio and/or		
	video output;	·	*
12.			
	file in said memory	·	
	of said second		
	device; and		
13.			
	said music through		
	said audio output.		

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	'193 Claim 11	IT Construction	MS Construction
14	11. A method	The claim contains no requirement of	Claim as a whole: The recited
14.	comprising:	a VDE.	method is performed within a VDE.
	comprisms.		(See item #86 for Microsoft's
			construction of VDE.)
15.	receiving a digital		
	file;		
16.		secure: see item #3 above	secure: see item #3 above
	file in a first secure	·	
	memory of a first		
	device;		tom #2 shows
17.	storing information	secure: see item #3 above	secure: see item #3 above
	associated with		control: see item #4 above
	said digital file in a	control: see item #4 above	Control. See Reili #4 above
	secure database		
	stored on said first		_
	device,		·
	said information		•
	including a first	•	
1	control;	copied (copy): see item #5 above	copied (copy): see item #5 above
18.	determining whether said digital	copieu (copy). See item "5 doore	<u> </u>
	file may be copied	control: see item #4 above	control: see item #4 above
	and stored on a	CONTOI. SEE NEM II LES	
	second device	·	
	based on said first		
	control, said		·
	determining step		
	including		
1	identifying said		
	second device and		
	determining		
	whether,		
19.		control: see item #4 above	control: see item #4 above
	allows transfer of		11/12/2012/19/19/19
İ	said copied file to	copied (copy): see item #5 above	copied (copy): see item #5 above
	said second device,		·
1	said determination		
	based at least in		
	part on the features		
	present at the		
	device to which		
	said copied file is		
L	to be transferred;	<u></u>	

	'193 Claim 11	IT Construction	MS Construction	
20.	if said first control	control: see item #4 above	control: see item #4 above	
	allows at least a		·	
	portion of said	copied (copy): see item #5 above	copied (copy): see item #5 above	
	digital file to be			
	copied and stored			
	on a second device,			
21.	copying at least a	copying (copy): see item #5 above	copying (copy): see item #5 above	
	portion of said	•		
	digital file;			
22.				
	a portion of said	•		
	digital file to a			
	second device	·		
	including a	·		
	memory and an			
	audio and/or video.			
	output;	·		
23.				
	file in said memory			
	of said second			
	device; and			
24.	rendering said			
	digital file through			
1	said output.		<u> </u>	

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	'193 Claim 15	IT Construction	MS Construction
25.	15. A method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #93 for Microsoft's construction of VDE.)
26.	receiving a digital file;		
27.	an authentication step comprising:	authentication: Identifying (e.g., a person, device, organization, document, file, etc.). Includes uniquely identifying or identifying as a member of a group.	authentication: To establish that the following asserted characteristics of something (e.g., a person, device, organization, document, file, etc.) are genuine: its identity, its data integrity, (i.e., it has not been altered) and its origin integrity (i.e., its source and time of origination).
28.	accessing at least one identifier associated with a first device or with a user of said first device; and	identifier: Information used to identify something or someone (e.g., a password).  In this definition, "identify" means to establish the identity of or to ascertain the origin, nature, or definitive characteristics of; includes identifying as an individual or as a member of a group.	identifier: Any text string used as a label naming an individual instance of what it <i>Identifies</i> (see below)  For the purpose of the construction of "Identifier," " <i>Identify</i> " is defined as: To establish as being a particular instance of a person or thing.
29.	determining whether said identifier is associated with a device and/or user authorized to store said digital file;	identifier: see item #28 above	identifier: see item #28 above
30.	storing said digital file in a first secure memory of said first device, but only if said device and/or user is so authorized, but not proceeding with said storing if said device and/or user is not authorized;	secure: see item #3 above	secure: see item #3 above
31.	storing information associated with said digital file in a secure database stored on said first	secure: see item #3 above control: see item #4 above	secure: see item #3 above  control: see item #4 above

	MC Construction		
	<b>193 Claim 15</b>	IT Construction	MS Construction
	device, said		
	information		
	including at least		,
	one control;		115
32.	determining	copied (copy): see item #5 above	copied (copy): see item #5 above
	whether said digital		, , , , , , , , , , , , , , , , , , , ,
	file may be copied	control: see item #4 above	control: see item #4 above
	and stored on a		
	second device	•	
	based on said at		•
	least one control;		1
33.	if said at least one	control: see item #4 above	control: see item #4 above
1	control allows at		: 16
	least a portion of	copied (copy): see item #5 above	copied (copy): see item #5 above
	said digital file to		
	be copied and		·
	stored on a second		
	device,	ug 1	copying (copy): see item #5 above
34.		copying (copy): see item #5 above	copying (copy). see item #3 above
1	portion of said	·	
<u> </u>	digital file;		
35.		,	
1	a portion of said		
	digital file to a		
İ	second device		
	including a memory	·	
	and an audio and/or		·
	video output;		
36.	storing said digital		
	file in said memory		
1	of said second		
-	device; and		
37	rendering said		
	digital file through		
1	said output.		<u> </u>



. Patent No. 6,253,193, Asserted

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	'193 Claim 19	IT Construction	MS Construction
38.	19. A method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
39.	receiving a digital file at a first device;	·	
40.	establishing communication between said first device and a clearinghouse located at a location remote from said first device;	clearinghouse: A provider of financial and/or administrative services for a number of entities; or an entity responsible for the collection, maintenance, and/or distribution of materials, information, licenses, etc.	clearinghouse: (1) A computer system that provides intermediate storing and forwarding services for both content and audit information, and which two or more parties trust to provide its services independently because it is operated under constraint of VDE security.  (2) "Audit information" means all information created, stored, or reported in connection with an "auditing" process. "Auditing" means tracking, metering and reporting the usage of particular information or a particular appliance.
41.	said first device obtaining authorization including a key from said clearinghouse;	clearinghouse: see item #40 above	clearinghouse: see item #40 above
42.	said first device using said authorization information to gain access to or make at least one use of said first digital file, including using said key to decrypt at least a portion of said first digital file; and	use: Normal English: to put into service or apply for a purpose, to employ.	use: (1) To use information is to perform some action on it or with it (e.g., copying, printing, decrypting, encrypting, saving, modifying, observing, or moving, etc.). (2) In VDE, information Use is Allowed only through execution of the applicable VDE Control(s) and satisfaction of all requirements imposed by such execution.  For the purposes of the construction of "Use," "Allowed" is defined as set forth in item #4, above.
43.	control from said	control: see item #4 above	control: see item #4 above
	clearinghouse at said first device;	clearinghouse: see item #40 above	clearinghouse: see item #40 above

	(102 (1) 10	IT Construction	MS Construction
	<u>'193 Claim 19</u>	11 Construction	WAS CONSTRUCTION
44.	storing said first	·	
- 1	digital file in a		
	memory of said		
	first device;		control: see item #4 above
45.	using said first	control: see item #4 above	control: see item #4 above
	control to	10" 1	anial (servi), see item #5 shove
	determine whether	copied (copy): see item #5 above	copied (copy): see item #5 above
	said first digital file	·	
	may be copied and		
	stored on a second		
	device;		
46.	if said first control	control: see item #4 above	control: see item #4 above
	allows at least a		
	portion of said first	copied (copy): see item #5 above	copied (copy): see item #5 above
	digital file to be		
1	copied and stored		.
	on a second device,		
47.		copying (copy): see item #5 above	copying (copy): see item #5 above
	portion of said first		
	digital file;		
48.		•	
	a portion of said	·	
	first digital file to a		
İ	second device		
	including a		
	memory and an		
]	audio and/or video		
	output;		
49.	storing said first		
	digital file portion		·
	in said memory of		
	said second device;		
	and		
50.	rendering said first		
	digital file portion		\$
1	through said		
	output.		

6. Patent No. 6,185,683, Asserted

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51. 2. A system including:  52. a first apparatus including,  53. user controls.  54. Claim 2  The claim contains no requireme of a VDE.	Claim as a Whole: The "system" is a VDE. (See item #86 for Microsoft's construction of VDE.)
including,	
53. user controls, control: see item #4 above	control: see item #4 above
54. a communications port,	
55. a processor,	
56. a memory storing:	
56. a memory storing:  57. a first secure container  Secure container: A container that Secure.  In this definition, "container" me a digital file containing linked arembedded items.	Container is a self-contained, self- protecting data structure which (a) encapsulates information of arbitrary

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	<u>'683 Claim 2</u>	IT Construction	MS Construction
ŀ			(Control) the later addition of
1			contents to the container, and Access
1			to or Use of those contents).
			(5) A container is not a Secure
			Container merely because its
			contents are encrypted and signed. A
		·	Secure Container is itself Secure.
			(6) All VDE-protected information
i			(including protected content,
		·	information about content usage,
}			content-control information,
			Controls, and Load Modules) is
1			encapsulated within a Secure
			Container whenever stored outside a
1			Secure Processing Environment or
	•		secure database.
ŀ			For the purposes of the construction
1		·	of "Secure Container," "Secure
			Processing Environment," "Load
			Module," "Access" and "Allow" are
			defined as set forth in item #4, above.
		antaining Namal English, baying	containing: Physically (directly)
58.		containing: Normal English: having	storing within, as opposed to
	governed item,	within or holding. In the context of an element contained within a data	
			addressing (i.e., referring to
		structure (e.g., a secure container),	something by the explicitly identified location where it is stored, without
1		the contained element may be either	
		directly within the container or the	directly storing it).
		container may hold a reference	
		indicating where the element may be found.	
			ueg 1
59.		secure container: see item #57 above	secure container: see item #57 above
	container governed		·
	item being at least		
	in part encrypted;		İ
	the first secure		
	container having		
	been received from		
	a second apparatus;		

	'683 Claim 2	IT Construction	MS Constructi n
60.	a first secure	secure container: see item #57 above	secure container: see item #57 above
	container rule		
	at least in part	aspect: Feature, element, property or	aspect: An aspect of an environment
	governing an	state.	is a persistent element or property of
	aspect of access to		that environment that can be used to
	or use of said first	use: see item #42 above	distinguish it from other
	secure container		environments.
	governed item,		
	the first secure		use: see item #42 above
	container rule, the		
	first secure	·	•
	container rule	·	
	having been		
	received from a	·	
	third apparatus	<u>.</u>	
	different from said		
	second apparatus;		·
L	and		
61.		secure container: see item #57 above	secure container: see item #57 above
	software used for		
	receiving and	contain (containing): see item #58	contain (containing): see item #58 above
	opening secure	above	above
'	containers,	_	
	said secure	· ·	
	containers each		
	including the		
1	capacity to contain		
	a governed item, a		
	secure container		
	rule being associated with	· ·	
	each of said secure		
	containers;		
62.	a protected	protected processing environment:	protected processing environment:
02.	processing	An environment in which processing	(1) A uniquely identifiable, self-
	environment at	and/or data is at least in part	contained computing base trusted by
1	least in part	protected from tampering. The level	all VDE nodes to protect the
]	protecting	of protection can vary, depending on	availability, secrecy, integrity and
	information	the threat.	authenticity of all information
	contained in said		identified in the February, 1995,
1	protected	In this definition, "environment"	patent application as being protected,
	processing	means capabilities available to a	and to guarantee that such
	environment from	program running on a computer or	information will be Accessed and
	tampering by a user	other device or to the user of a	Used only as expressly authorized by
	of said first	computer or other device.	VDE Controls.
1	apparatus,	Depending on the context, the	(2) At most VDE nodes, the
	,	environment may be in a single	Protected Processing Environment
		device (e.g., a personal computer) or	is a Secure Processing Environment
		may be spread among multiple	which is formed by, and requires, a
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	<u>'683 Claim 2</u>	IT Construction	MS Construction
		devices (e.g., a network).	hardware Tamper Resistant Barrier
		·	encapsulating a special-purpose
		contained (containing): see item #58	Secure Processing Unit having a
		above	processor and internal secure
			memory. "Encapsulated" means
	,		hidden within an object so that it is
		•	not directly accessible but rather is
		·	accessible only through the object's
			restrictive interface.
			(3) The Tamper Resistant Barrier
		•	prevents all unauthorized (intentional
			or accidental) interference, removal,
	,		observation, and use of the
			information and processes within it,
			by all parties (including all users of
			the device in which the Protected
	,		Processing Environment resides),
			except as expressly authorized by
			VDE Controls.
			(4) A Protected Processing
			Environment is under Control of
			Controls and control information
			provided by one or more parties,
			rather than being under Control of
		•	the appliance's users or programs.
		·	(5) Where a VDE node is an
		•	established financial Clearinghouse,
			or other such facility employing
			physical facility and user-identity
		·	Authentication security procedures
			trusted by all VDE nodes, and the
	•		VDE node does not Access or Use
		·	VDE-protected information, or
		,	assign VDE control information, then
,	:		the Protected Processing
			Environment at that VDE node may
			instead be formed by a general-
			purpose CPU that executes all VDE
			"security" processes in protected
			(privileged) mode.
			(6) A Protected Processing
			Environment requires more than just
			verifying the integrity of Digitally
			Signed Executable programming
			prior to execution of the
			programming; or concealment of the
			program, associated data, and
			execution of the program code; or use
			of a password as its protection

	((02.63 ) 0	I'm Company	MC Construction
L	<u>'683 Claim 2</u>	IT Construction	MS Constructi n
63.	said protected processing environment including hardware or software used for applying said first secure container rule and a second secure container rule in combination to at least in part govern at least one aspect of access to or use of a governed item contained in a secure container;	protected processing environment: see item #62 above secure container: see item #57 above aspect: see item #60 above use: see item #42 above contained (containing): see item #58 above	mechanism.  For the purposes of the construction of "Protected Processing Environment," "Secure Processing Environment" and "Access" are defined as set forth in item #4, above.  contained (containing): see item #58 above  protected processing environment: see item #62 above  secure container: see item #57 above aspect: see item #60 above  use: see item #42 above  contained (containing): see item #58 above
64.	and hardware or	secure container: see item #57 above	secure container: see item #57 above
J .	software used for	DOTALD COMMISSION SOCIETY III III III III III III III III III I	300 1011 10 1 1000
	transmission of		·
	secure containers		
	to other apparatuses	·	,
]	or for the receipt of		
	secure containers		
	from other		
1	apparatuses.		

. Patent No. 6,157,721, Asserted .....

		5. Patent No. 0,157,721, Asserted	
	<u> '721 Claim 1</u>	IT Construction	MS Construction
65.	1. A security method comprising:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE.  (See item #86 for Microsoft's construction of VDE.)
66.	digitally signing a first load module with a first digital signature designating the first load module for use by a first device class;	digital signature: A digital value, verifiable with a key, that can be used to determine the source and/or integrity of a signed item (e.g., a file, program, etc.).  Digitally signing is the process of creating a digital signature.  designating: Normal English: indicating, specifying, pointing out or characterizing.  use: see item #42 above	digitally signing: (1) Creating a Digital Signature using a secret Key (see below). (2) In symmetric key cryptography, a "secret key" is a Key that is known only to the sender and recipient. In asymmetric key cryptography, a "secret key" is the private Key of a public/private key pair, in which the two keys are related uniquely by a predetermined mathematical relationship such that it is computationally infeasible to determine one from the other.
		device class: A group of devices which share at least one attribute.	For the purposes of the construction of "Digital Signing," a "Key" is defined as: A bit sequence used and needed by a cryptographic algorithm to encrypt a block of plain text or to decrypt a block of cipher text. A key is different from a key seed or other information from which the actual encryption and/or decryption key is constructed, Derived, or otherwise identified. In symmetric key cryptography, the same key is used for both encryption and decryption. In asymmetric or "public key" cryptography, two related keys are used; a block of text encrypted by one of the two keys (e.g., the "public key") can be decrypted only by the corresponding key (e.g., the "private key").
			digital signature: A computationally unforgeable string of characters (e.g., bits) generated by a cryptographic operation on a block of data using some secret. The string can be generated only by an entity that knows the secret, and hence provides

		VIII Company at large	MS Construction
	<u> '721 Claim 1</u>	IT Construction	
			evidence that the entity must have
			generated it.
		·	designating: Designating something
			for a particular Use means specifying
			it for and restricting it to that Use.
		·	use: see item #42 above
			device class: The generic name for a
			group of device types. For example,
. ;			all display stations belong to the same
			device class. A device class is
		·	different from a device type. A
		•	device type is composed of all
			devices that share a common model
			number or family (e.g. IBM 4331
			printers).
67.	digitally signing a second load module	digital signature: see item #66 above	digital signature: see item #66 above
	with a second	designating: see item #66 above	designating: see item #66 above
	digital signature		
	different from the	use: see item #42 above	use: see item #42 above
	first digital		1
	signature, the second digital	device class: see item #66 above	device class: see item #66 above
	signature	tamper resistance: Making tampering	tamper resistance: The ability of a
	designating the	more difficult and/or allowing	Tamper Resistant Barrier to
	second load module	detection of tampering.	prevent Access, observation, and
]	for use by a second		interference with information or
	device class having	In this definition, "tampering" means	processing encapsulated by the
	at least one of	using (e.g., observing or altering) in	barrier.
	tamper resistance	any unauthorized manner, or interfering with authorized use.	For the purposes of the construction
	and security level different from the at	meneng will authorized use.	of "Tamper Resistance,"
	least one of tamper		"Tamper/Tampering" is defined as:
	resistance and	digitally signing a second load	Using (e.g., observing or altering) in
	security level of the	module with a second digital	any unauthorized manner, or
	first device class;	signature different from the first	interfering with authorized use.
	J. 2. 2	digital signature, the second digital	For the purposes of the construction
		signature designating the second load	of "Tamper Resistance," "Access" is
		module for use by a second device	defined as set forth in item #4, above.
		class having at least one of tamper	domina as set form in from #7, above.
		resistance and security level different	digitally signing a second load
		from the at least one of tamper	module with a second digital
		resistance and security level of the	signature different from the first
		first device class: Normal English,	digital signature, the second digital
		incorporating the separately defined	signature designating the second load
		terms: generating a Digital Signature	module for use by a second device

•		
<u>'721 Claim 1</u>	IT Construction	MS Construction
	for the second load module, the	class having at least one of tamper
	Digital Signature Designating that the	resistance and security level different
	second load module is for use by a	from the at least one of tamper
	second Device Class. This element	resistance and security level of the
<u> </u> -	further requires that the second	first device class: (1) Digitally
	Device Class have a different Tamper	Signing a different ("second") Load
	Resistance or security level than the	Module by using a different
	first Device Class.	("second") Digital Signature as the
		signature Key, which signing
		indicates to any and all devices in the
	·	second Device Class that the signor
		authorized and restricted this Load
· ·		Module for Use by that device.
		(2) No VDE device can perform any
! !		execution of any Load Module
		without such authorization. The
		method ensures that the Load Module
		cannot execute in a particular Device
		Class and ensures that no device in
		that Device Class has the Key(s)
		necessary to verify the Digital
		Signature.
		(3) All devices in the first <b>Device</b>
		Class have the same persistent (not
	·	just occasional) and identified level of
<u> </u>		Tamper Resistance and the same
	·	persistent and identified level of
		security. All devices in the second
		Device Class have the same
		persistent and identified level of
	·	Tamper Resistance and same
		persistent and identified level of
		security.
		(4) The identified level of Tamper
		Resistance or identified level of
		security (or both) for the first Device
1		Class, is greater than or less than the
		identified level of Tamper
		Resistance or identified level of
		security for the second Device Class.
-		
		For the purposes of the construction
		of this phrase, a "Load Module" is
		defined as set forth in item #4 and
		"Key" is defined as set forth in item
		#66, above.

	'721 Claim 1	IT Construction	MS Construction
68.	distributing the first	use: see item #42 above	use: see item #42 above
	load module for use		device class: see item #66 above
	by at least one	device class: see item #66 above	device class. see item #00 above
	device in the first		
	device class; and		
69.	distributing the	use: see item #42 above	use: see item #42 above
ĺ	second load module		
	for use by at least	device class: see item #66 above	device class: see item #66 above
	one device in the		
	second device		
	class.		



3. Patent No. 6,157,721, Asserted Cam 34

	'721 Claim 34	IT Construction	MS Construction
70.		The claim contains no requirement of	Claim as a Whole: The "Protected
	processing	a VDE	Processing Environment" is part of
	environment		and within VDE. (See item #86 for
	comprising:	protected processing environment:	Microsoft's construction of VDE.)
		see item #62 above	
		427	protected processing environment: see item #62 above
		"Protected processing environment"	see item #02 above
		appears in the preamble of this claim.  InterTrust reserves the right to assert	
		that it should not be defined, other	
		than as requiring the individual claim	
		elements.	
		Cicinonia.	·
71.	a first tamper	tamper resistant barrier: Hardware	tamper resistant barrier: (1) An active
' '	resistant barrier	and/or software that provides Tamper	device that encapsulates and separates
	having a first	Resistance.	a Protected Processing Environment
	security level,		from the rest of the world.
			(2) It prevents information and
			processes within the Protected Processing Environment from being
			observed, interfered with, and leaving
ļ			except under appropriate conditions
			ensuring security.
			(3) It also Controls external access to
			the encapsulated Secure resources,
			processes and information.
			(4) A Tamper Resistant Barrier is
		1.	capable of destroying protected
			information in response to Tampering
		·	attempts.
			For the purposes of the construction of
		•	"Tamper Resistant Barrier,"
			"Tamper/Tampering" is defined as set
			forth in item #67, above.
70	a first secure	secure: see item #3 above	secure: see item #3 above
72.	execution space,	Secure. See Rem #3 400 vo	
	and		
l	anu	<u> </u>	<u> </u>

	'721 Claim 34	IT Construction	
73.	at least one arrangement within the first tamper resistant barrier that prevents the first secure execution space from executing the same executable accessed by a second secure execution space having a second tamper resistant	IT Construction  tamper resistant barrier: see item #71 above  secure: see item #3 above  executable: A computer program that can be run, directly or through interpretation.	MS Construction  tamper resistant barrier: see item #71 above  secure: see item #3 above  executable: A cohesive series of machine code instructions in a format that can be loaded into memory and run (executed) by a connected processor.
	barrier with a second security level different from the first security		·
1	level.		

. Patent No. 5,920,861, Asserted 0

	'861 Claim 58	IT Construction	MS Construction
74.	58. A method of	The claim contains no requirement of	Claim as a whole: The recited method
/4.	creating a first	a VDE.	is performed within a VDE. (See item
	secure container,	u <i>VDD</i> .	#86 for Microsoft's construction of
		secure container: see item #57 above	VDE.)
	said method	Secure container.	,
	including the		secure container: see item #57 above
	following steps;		<u> </u>
75.	accessing a		
	descriptive data		
	structure, said		
	descriptive data		
	structure including	·	
	or addressing		457 chous
76.		secure container: see item #57 above	secure container: see item #57 above
	information at least	·	·
	in part describing a		·
	required or desired		
	organization of a		
	content section of		,
	said first secure	·	
	container, and		
77.		secure container: see item #57 above	secure container: see item #57 above
	information at least		
	in part specifying at	į.	
1	least one step		
	required or desired		
İ	in creation of said		
	first secure		
1	container;		
78.	using said	secure container: see item #57 above	secure container: see item #57 above
	descriptive data		
	structure to organize		
1	said first secure		
	container contents;		
79.	using said metadata	secure container: see item #57 above	secure container: see item #57 above
	information to at		
	least in part		
1	determine specific	·	
	information		
	required to be		
	included in said first		
	secure container		
	contents; and		

	'861 Claim 58	IT Construction	MS Constructi n
80.	generating or identifying at least	control (controlling): see item #7 above	control (controlling): see item #7 above
	one rule designed to control at least one	aspect: see item #60 above	aspect: see item #60 above
	aspect of access to or use of at least a	use: see item #42 above	use: see item #42 above
	portion of said first secure container contents.	secure container: see item #57 above	secure container: see item #57 above



		. Patent No. 5,982,891, Asserted	m: 1
	'891 Claim 1	IT Construction	MS Construction
81.	1. A method for using at least one resource processed in a secure	The claim contains no requirement of a VDE.  secure: see item #3 above	Claim as a whole: The recited method is performed within a VDE. (See item #86 for Microsoft's construction of VDE.)
	operating environment at a first appliance, said method comprising:	·	secure: see item #3 above
82.	securely receiving a first entity's control at said first appliance, said first entity being located remotely from said operating environment and said first appliance;	securely (secure): see item #3 above  control: see item #4 above	securely (secure): see item #3 above  control: see item #4 above
83.	second entity's control at said first appliance, said second entity being located remotely from said operating environment and said first appliance, said second entity being different from said first entity; and	securely (secure): see item #3 above  control: see item #4 above	securely (secure): see item #3 above  control: see item #4 above
84.	securely processing a data item at said first appliance, using at least one resource, including	securely (secure): see item #3 above	securely (secure): see item #3 above
85.	securely applying, at said first appliance through use of said at least one resource said first entity's control and said second entity's control to govern use of said data item.	securely (secure): see item #3 above  use: see item #42 above  control: see item #4 above  securely applying, at said first appliance through use of said at least one resource said first entity's control and said second entity's control to govern use of said data item: Normal	securely (secure): see item #3 above  use: see item #42 above  control: see item #4 above  securely applying, at said first appliance through use of said at least one resource said first entity's control and said second entity's control to govern use of said data item: (1)
		English, incorporating the separately defined terms: the first entity's Control	Processing the resource (component part of a first appliance's Secure

'891 Clai	m 1	IT Construction	MS Construction
		and the second entity's Control are	Operating Environment) within the
		Securely applied to govern Use of the	Secure Operating Environment's
		data item, the act of Securely applying	special-purpose Secure Processing
1		involving use of the resource.	Unit (SPU) to execute the first
			Control and second Control in
			combination within the SPU.
			(2) This execution of these Controls
		9.9	governs (Controls) all Use of the
			data item by all users, processes, and
			devices.
			(3) The processing of the resource
			and execution of the Controls cannot
			be observed from outside the SPU
			and is performed only after the
			integrity of the resource and
			Controls is cryptographically
			verified.
			(4) A Secure Processing Unit is a special-purpose unit isolated from the
			rest of the world in which a hardware
		٠	Tamper Resistant Barrier
			encapsulates a processor and internal
			Secure memory.
		·	(5) The processor cryptographically
			verifies the integrity of all code
1 1			loaded from the Secure memory
			prior to execution, executes only the
			code that the processor has
			authenticated for its Use, and is
·			otherwise Secure.
1			

# Patent No. 5,892,900, Asserted Ch. 155

	'900 Claim 155	IT Construction	MS Construction
86.	155. A virtual	Virtual Distribution Evironment: This	Claim as a Whole: The "virtual
	distribution	term is contained in the preamble of	distribution environment" is VDE.
	environment	the claim and should not be defined,	Virtual Distribution Environment:
10.	comprising	other than as requiring the individual	(1) Data Security and Commerce
		claim elements.	World: InterTrust's February 13,
			1995, patent application described as
		Without waiving its position that no	its "invention" a Virtual Distribution
		separate definition is required, if	Environment ("VDE invention") for
		required to propose such a definition,	securing, administering, and auditing
		InterTrust proposes the following:	all security and commerce digital
		secure, distributed electronic	information within its multi-node
		transaction management and rights	world (community). VDE guarantees
		protection system for controlling the	to all VDE "participants" identified in
		distribution and/or other usage of	the patent application that it will limit
		electronically provided and/or stored	all Access to and Use (i.e., interaction)
		information.	of such information to authorized
			activities and amounts, will ensure any
			requested reporting of and payment
			for such Use, and will maintain the
			availability, secrecy, integrity, non-
			repudiation and authenticity of all
			such information present at any of its
			nodes (including protected content,
			information about content usage, and
			content Controls.).
Ì			VDE is Secure against at least the
			threats identified in the Feburary
			1995, patent application to this
İ			availability (no user may delete the
			information without authorization),
			secrecy (neither available nor
		•	disclosed to unauthorized persons or
			processes), integrity (neither
İ			intentional nor accidental alteration),
Ì			non-repudiation (neither the receiver
			can disavow the receipt of a message
			nor can the sender disavow the
			origination of that message) and
			authenticity (asserted characteristics are genuine). VDE further provides
			and requires the components and
			capabilities described below.
			Anything less than or different than
			this is not <b>VDE</b> or the described
1			"invention."

•		
<u>'900 Claim 155</u>	IT Construction	MS Construction
		(2) Secure Processing Environment: At each node where VDE-protected information is Accessed, Used, or assigned control information, VDE requires a Secure Processing Environment (as set forth in item #6).
		(3) <u>VDE Controls</u> : <b>VDE Allows</b> Access to or <b>Use</b> of protected information and processes only through execution of (and satisfaction of the requirements imposed by) <b>VDE</b> Control(s).
	·	(4) <u>VDE Secure Container</u> : See construction of Secure Container (see item #57).
		(5) Non-Circumventable: VDE is non-circumventable (sequestered). It intercepts all attempts by any and all users, processes, and devices, to Access or Use, such as observing, interfering with, or removing) protected information, and prevents all such attempts other than as allowed by execution of (and satisfaction of all requirements imposed by) associated VDE Controls within Secure Processing Environment(s).
		(6) Peer to Peer: VDE is peer-to-peer. Each VDE node has the innate ability to perform any role identified in the patent application (e.g., end user, content packager, distributor, Clearinghouse, etc.), and can protect information flowing in any direction between any nodes. VDE is not client-server. It does not predesignate and restrict one or more nodes to act solely as a "server" (a provider of information (e.g., authored content, control information, etc.) to other nodes) or "client" (a requestor of such information). All types of protected-content transactions can proceed without requiring interaction with any server.

<b>'900 (</b>	Claim 155	IT Construction	MS Construction
			(7) Comprehensive Range of Functions: VDE comprehensively governs (Controls) all security and commerce activities identified in the patent application, including (a) metering, budgeting, monitoring, reporting, and auditing information usage, (b) billing and paying for information usage, and (c) negotiating, signing and enforcing contracts that establish users' rights to Access or Use information.
			(8) <u>User-Configurable</u> : The specific protections governing (Controlling) specific VDE-protected information are specified, modified, and negotiated by VDE's users. For example, VDE enables a consumer to place limits on the nature of content that may be <i>Accessed</i> at her node (e.g., no R-rated material) or the amount of money she can spend on viewing certain content, both subject only to other users' senior Controls.
			(9) General Purpose; Universal: VDE is universal as opposed to being limited to or requiring any particular type of appliance, information, or commerce model. It is a single, unified standard and environment within which an unlimited range of electronic rights protection, data security, electronic currency, and banking applications can run.
			(10) Flexible: VDE is more flexible than traditional information security and commerce systems. For example, VDE allows consumers to pay for only the user-defined portion of information that the user actually uses, and to pay only in proportion to any quantifiable VDE event (e.g., for only the number of paragraphs displayed from a book), and allows editing the content in VDE containers while maintaining its security.

		VT Construction	MS Construction
	<u>'900 Claim 155</u>	<u>IT Construction</u>	For the purposes of the construction of "VDE," "Secure Processing Environment" and "Access" are defined as set forth in item #4, above.
87.	a first host processing environment comprising	host processing environment: This term is explicitly defined in the claim and therefore needs no additional definition. It consists of those elements listed in the claim.  Without waiving its position that no separate definition is required, if required to propose such a definition, InterTrust proposes the following: a Protected Processing Environment incorporating software-based security.	host processing environment: (1) A processing environment within a VDE node which is not a Secure Processing Environment.  (2) A "host processing environment" may either be "secure" or "not secure."  (3) A "secure host processing environment is a self-contained Protected Processing Environment, formed by loaded, Executable programming executing on a general purpose CPU (not a Secure Processing Unit) running in protected (privileged) mode.  (4) A "non-secure host processing environment" is formed by loaded, Executable programming executing on a general purpose CPU (not a Secure Processing Unit) running in user mode.  For the purposes of the construction of "Host Processing Environment," a "Secure Processing Environment" is defined as set forth in item #4, above.
88.	a central processing unit;		
89.	main memory operatively connected to said central processing unit;		·
90.	mass storage operatively connected to said central processing unit and said main memory;		

		170 C 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MS Construction
	<u> '900 Claim 155</u>	IT Construction	MS Construction
91.	said mass storage storing tamper resistant software designed to be loaded into said main memory and executed by said central processing unit, said tamper resistant software comprising:		*
92.	machine check	derives: Normal English: obtains,	derives: To retrieve from a specified
	programming which derives information from one or more aspects of said host processing environment,	receives or arrives at through a process of reasoning or deduction. In the context of computer operations, the "process of reasoning or deduction" constitutes operations carried out by the computer.	source.
		aspect: see item #60 above	aspect: see item #60 above
		host processing environment: see item #87 above	host processing environment: see item #87 above
		derives information from one or more aspects of said host processing environment: Normal English, incorporating the separately defined terms: Derives (including creates) information based on at least one Aspect of the previously referred to Host Processing Environment.	derives information from one or more aspects of said host processing environment: (1) Deriving from the Host Processing Environment hardware one or more values that uniquely and persistently identify the Host Processing Environment and distinguish it from other Host Processing Environments.  (2) The "one or more aspects of said host processing environment" are persistent elements or properties of the Host Processing Environment itself that are capable of being used to distinguish it from other environments, as opposed to, e.g., data or programs stored within the mass storage or main memory, or processes executing within the Host Processing Environment.
93.	one or more storage locations storing said information;		

	'900 Claim 155	IT Construction	MS Construction	
94.	integrity programming which causes said machine check programming to derive said information, compares said information to information previously stored in said one or more storage locations, and	derive: see item #92 above  compares: Normal English: examines for the purpose of noting similarities and differences. "Comparison" refers to the act of comparing.	derive: see item #92 above  compares: A processor operation that evaluates two quantities and sets one of three flag conditions as a result of the comparison – greater than, less than, or equal to.	
95.	generates an indication based on the result of said comparison; and	comparison (compares): see item #94 above	comparison (compares): see item #94 above	
96.				
97.	said one or more actions including at least temporarily halting further processing.			

5. Patent No. 5,917,912, Asserted

 m:	8

	'912 Claim 8	IT Construction	MS Construction
98.	8. A process comprising the following steps:	The claim contains no requirement of a VDE.	Claim as a whole: The recited method is performed within a VDE. (See item #93 for Microsoft's construction of VDE.)
99.	accessing a first record containing information directly or indirectly identifying one or more elements of a first component assembly,	component assembly: Components are code and/or data elements that are independently deliverable. A Component Assembly is two or more components associated together. Component Assemblies are utilized to perform operating system and/or applications tasks.	containing: see item #58 above  component assembly: (1) A cohesive  Executable component created by a channel which binds or links together two or more independently deliverable Load Modules, and associated data.  (2) A Component Assembly is assembled, and executes, only within a VDE Secure Processing Environment.  (3) A Component Assembly is assembled dynamically in response to, and to service, a particular content-related activity (e.g., a particular Use request).  (4) Each VDE Component Assembly is assigned and dedicated to a particular activity, particular user(s), and particular protected information.  (5) Each Component Assembly is independently assembled, loadable and deliverable vis-à-vis other Component Assembly is directed by a "blueprint" Record Containing control information for this particular activity on this particular information by this particular user(s).  (7) Component Assemblies are extensible and can be configured and reconfigured (modified) by all users, and combined by all users with other Component Assemblies, subject only to other users' "senior" Controls.  For the purposes of the construction of "Component Assemblies, subject only to other users' "senior" Controls.  For the purposes of the construction of "Component Assembly," "Load Module," "Secure Processing Environment" and "Record" are defined as set forth in item #4 above.
100.	at least one of said elements including at least some	executable programming (executable): see item #73 above	executable programming: A cohesive series of machine code instructions, comprising a computer program, in a

<u>'912 Claim 8</u>	IT Construction	MS Construction
executable programming,		format that can be loaded into memory and run (executed) by a connected processor. A "computer program" is a complete series of definitions and instructions that when executed on a computer will perform a required or requested task.
101. at least one of said elements constituting a load module,		
102. said load module including executable programming and a header;	executable programming (executable): see item #73 above	executable programming: see item #100 above
said header including an execution space identifier identifying at least one aspect of an execution space required for use and/or execution of the load module associated with said header;	aspect: see item #59 above  use: see item #42 above  identifying at least one aspect of an execution space required for use and/or execution of the load module:  Normal English, incorporating the separately defined terms: identifying an Aspect (e.g. security level) of an execution space that is needed in order for the load module to execute or otherwise be used.	aspect: see item #59 above  use: see item #42 above  identifying at least one aspect of an execution space required for use and/or execution of the load module:  (1) Defining fully, without reference to any other information, at least one of the persistent elements or properties (Aspects) (that are capable of being used to distinguish it from other environments of an execution space) that are required for any Use, and/or for any execution, of the Load Module.  (2) An execution space without all of those required aspects is incapable of making any such execution and/or other Use (e.g., Copying, displaying, printing) of the Load Module.  For the purposes of the construction of this phrase, a "Load Module" is defined as set forth in item #4, above

			MC Company
	'912 Claim 8	IT Construction	MS Construction
104.	said execution	identifier: see item #28	identifier: see item #28
	space identifier		
	provides the	·	
	capability for		
	distinguishing		
	between execution		
	spaces providing a		
	higher level of		
	security and		
	execution spaces		
	providing a lower		
	level of security;		
105.			
	information to		
	identify and locate		
	said one or more		
100	elements;		
106.	accessing said located one or more		
	elements;		
107.		securely: see item #3 above	securely: see item #3 above
107.	assembling said one	bootiers.	
	or more elements to	component assembly: see item #98	component assembly: see item #98
	form at least a	above	above
	portion of said first		
	component		·
	assembly;		
108.		executable programming (executable):	executable programming: see item
	some of said	see item #73 above	#100 above
	executable		
	programming; and		
109.	checking said		}
	record for validity		
	prior to performing		·
	said executing step.		

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	'912 Claim 35	IT Construction	MS Construction
110.	35. A process	The claim contains no requirement of	Claim as a whole: The recited method
110.	comprising the	a VDE.	is performed within a VDE. (See item
	following steps:		#86 for Microsoft's construction of
	Tonowing steps		VDE.)
111.	at a first		
111.	processing		
	environment		
	receiving a first		
	record from a	,	
	second processing	•	
	environment		
	remote from said		
	first processing		
	environment;		
112.	said first record	secure container: see item #57 above	secure container: see item #57 above
112.	being received in a	Socure container.	:
	secure container;		
112		containing: see item #57 above	containing: see item #57 above
113.	<del></del>	Containing. See Rein #37 dee 1	
1	containing identification	component assembly: see item #98	component assembly: see item #98
1	information	above	above
	directly or		
	indirectly		•
	identifying one or		
	more elements of a		
	first component		
	assembly;		
114.		executable programming (executable):	executable programming: see item
114.	elements including	see item #73 above	#100 above
	at least some		
	executable	·	
	programming;		
115.		component assembly: see item #98	component assembly: see item #98
113.	assembly allowing	above	above
	access to or use of		
	specified	use: see item #42 above	use: see item #42 above
ì	information;		
116.		secure container: see item #57 above	secure container: see item #57 above
	container also		
1	including a first of		
	said elements;		
117.			
***	record;		
118.	<u> </u>		
***	identification		·
	information to		
	identify and locate		·

		- TT C	MC Construction
	<u>'912 Claim 35</u>	<u>IT Construction</u>	MS Construction
	said one or more		
	elements;		
119.	said locating step		
	including locating	·	
	a second of said		
	elements at a third	,	
	processing		
	environment		
	located remotely		
	from said first	·	
	processing		
	environment and		
	said second		
	processing		, i
	environment;		
120.	accessing said		·
	located one or	!	
	more elements;		· · · · · · · · · · · · · · · · · · ·
121.	said element		
	accessing step		·
	including		<b>i</b> .
	retrieving said second element		
	from said third		
1	processing		
	environment;		
122.	securely	securely (secure): see item #3 above	securely (secure): see item #3 above
122.	assembling said	Securery (Securery).	
	one or more	component assembly: see item #98	component assembly: see item #98
	elements to form	above	above
	at least a portion		
	of said first		
·	component		
	assembly		
	specified by said	·	·
	first record; and		·
123.	executing at least	executable programming (executable):	executable programming: see item
	some of said	see item #73 above	#100 above
	executable		
	programming,		
124.	said executing step		
	taking place at said		
	first processing		
	environment.		